



RESIDENTS OF MARANGUAPE, in Brazil, get a demonstration from Peace Corps Volunteer Joyce Coling, daughter of Leo E. Coling, General Machine Shop. The young Coling daughter is busy on a "36-hour" day teaching home extension work to natives in the Sao Francisco River Valley. "The people here are friendly," she wrote her parents recently. "They have a smile for all of us." There are about 150 other PCV's in the area with Joyce.

Peace Corps Volunteer . . .

Heart-To Heart Diplomacy Works For Y-12er's Daughter

What is a day in the life of a member of the Peace Corps like? Y-12's answer to that question lies in some interesting letters Joyce Coling has written her parents. (Her father, Leo E. Coling is in Y-12's General Machine Shop, Mechanical Operations Division.)

As one volunteer put it, "We are just going to have to ask Washington for a 36-hour day if they expect us to get everything done." Or as Joyce recently wrote her parents, "Though you are sent to do one job, a Peace Corpsman might find himself a teacher, a dental assistant, or a first aider. He must adjust to a new culture and blend into the social life of his community. He must speak the language of the land and he must be alert and prepared for any situation which might develop."

Climate Excellent

Joyce's job as a corpsman is to work as a Rural Extension Agent in Ceara . . . in the Sao Francisco River Valley. Actually, she lives in Maranguape, which is about 12 kilometers from Fortaleza, the state capital of Ceara. The town lies at the foot of a range of mountains, with excellent climate. The temperature remains at a steady 85 degrees the year 'round. Although the area suffers from dryness, the season between January and April provides sufficient rainfall for the populace to produce crops of a good quality.

The town of 35,000 people (the county has a total population of 48,000) houses four medical doctors and two dentists. The health program is carried into some of the schools by the government. Joyce writes that there are five schools located in Maranguape with additional ones scattered outside the town. Actually, she reports, the children that receive educations, receive good ones.

No Blade of Grass

Actually the Peace Corpsman says she is working in one of the more developed towns in Brazil (that's the way they soon learn to spell the big, sprawling South American country.) There are areas in the inland section of Brazil where the rainfall is not sufficient to maintain life. "I have seen this land," Joyce says, "I have flown over mile after mile of burnt, dry land where you cannot find a blade of green grass,



Joyce Coling



MARANGUAPEAN children show off prize chickens in an exposition sponsored by the Peace Corps. Joyce Coling, PCV, is working in the South American village, organizing the youth in groups similar to this country's 4-H Clubs.

or a drop of water in cracked river beds."

"Some of the people who lived on these parched lands have given it up," she continued. "They have moved into Natal, Salvador, Rio and Sao Paulo seeking work, seeking help. What do they find when they reach the city? They find their neighbor perched upon

Continued on Page 3

'Ridge Future Looks Bright,' AEC Head

Local Manager Has Optimistic Views

"With its excellent reputation as a 'can do' organization, the Y-12 Plant will continue as a major facility for national defense programs," S. R. Sapirie, Manager of the Atomic Energy Commission's Oak Ridge Operations stated recently.

Important continuing roles for the atomic energy programs in Oak Ridge were forecast by the ORO manager recently in an address before the Junior Chamber of Commerce.

Sapirie pointed out that he had stated in 1958 he was "bearish" about the short term prospects of peace-time atomic energy, but extremely "bullish" about the long term prospects. "That statement is still true today although the timetable is now somewhat clearer. The next 10 years should see the end of the period of tough sledding for industry in the peace-time atomic energy program and the start of an industrial boom in this field," he added.

Oak Ridge's Future

Sapirie discussed the AEC's recent report to the President on the role of nuclear power in the nation's economy. "The future of Oak Ridge is intimately related to the future of atomic energy in the United States and in the world," Sapirie stated. "Consequently, I have the utmost confidence that Oak Ridge will profit from the predicted industrial boom and will be in good shape following the next decade."

Commenting briefly on the future of the other facilities and programs in Oak Ridge, Sapirie said:

U-235 Needs

"The Oak Ridge Gaseous Diffusion Plant will have an important role to play in satisfying future needs for uranium-235 as the demand for nuclear power grows to

Continued on Page 2

Sam King Rites Are Held Monday

The plant was saddened last Thursday, May 16, by the death of Sam King, maintenance planner and estimator in the Electrical Department. He came to Y-12 September 11, 1944.

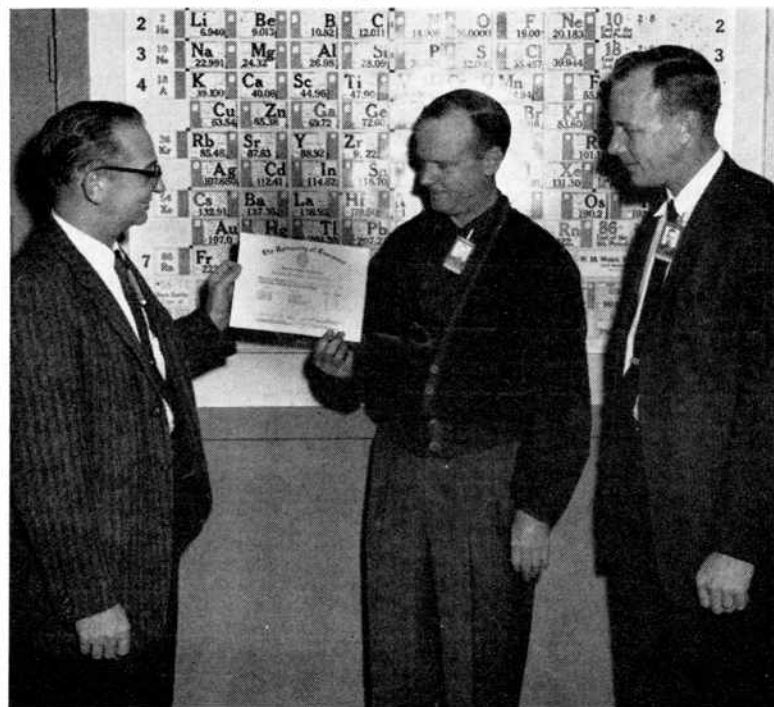
Mr. King is survived by his wife Mrs. Mary Lucille, two sons Henry H. King, Decatur, Alabama; Samuel O. King, with the United States Army in Germany; a daughter, Mrs. Dorothy Atkins, Knoxville; six grandchildren; brothers, Ernest Henry King, Winchester, Kentucky; Richard T. King, Louisville, Kentucky.

Funeral services were held Monday, May 20, at 2 p.m. in the Martin Funeral Home Chapel. Interment followed in the Oak Ridge Memorial Park. The Reverend Amos Rogers, pastor at Kern Memorial Methodist Church, where Mr. King was a member, officiated.

Deepest sympathy is sent to the surviving family from co-workers and friends in Y-12.



Sam King



L. E. BURKHART, THEN HEAD of the Technical Division, gives Wade Roberts his advanced certificate in accounting, as M. "Sandy" Sanders looks on from the right. Roberts, a health physics inspector, will receive his BS degree in accounting today, May 22, from the University of Tennessee.

Wade Roberts Earns Coveted College Degree At U-T

Today, Wednesday, May 22 is a very special day in the life of Y-12er Wade M. Roberts. The highly coveted degree from the University of Tennessee will be awarded the health physics inspector. Earning the BS degree in accounting Roberts takes his entire college credits with the assistance of Union Carbide Nuclear Company's Educational Assistance Plan.

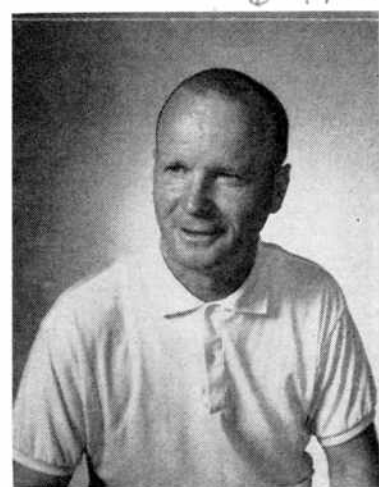
Back in 1932, Roberts graduated from Wise County High School, Wise County, Virginia, his native soil.

Back in 1957, Roberts relates, his supervisor M. "Sandy" Sanders urged him to further his education. "Then the University of Tennessee's evening extension work took on its present level as a full-fledged accredited college, and I was off to the races," Roberts explains.

Family No Block

A family, a full-time job, and many other outside activities (Roberts was once active in Scouting, the Masonic Lodge and the American Legion . . . jobs he gave up partially while his education was being completed) never really deterred the conscientious Y-12er.

The health physics inspector came to Y-12 back in 1954. He served in the United States Air



Wade M. Roberts

Force three years during World War II.

Three Fine Children

The graduating Roberts is proud of his three children, too . . . Mary and Wade M. Jr., both in grade school, and Katherine who finishes high school at Bearden this month. He is married to the former Eva Riddle, and lives with his family at 5214 Evelyn Drive, Knoxville.

Six years is not such a long time to gain a college degree. Younger men require four, at least, and they sometimes are without the responsibility of a family, a job, and other hindrances. Congratulations, Wade Roberts. Your perseverance and drive make Y-12ers very proud of you!

ORNL's Setlow Will Lead Physics Seminar

R. B. Setlow, Oak Ridge National Laboratory Biology Division, will conduct this Friday's Physics Division Seminar. His subject will be "DNA: Its Structure, Function and Inactivation." The seminar is scheduled for Friday, 3:15 p.m., May 24, at the East Auditorium of ORNL's 4500 Building.

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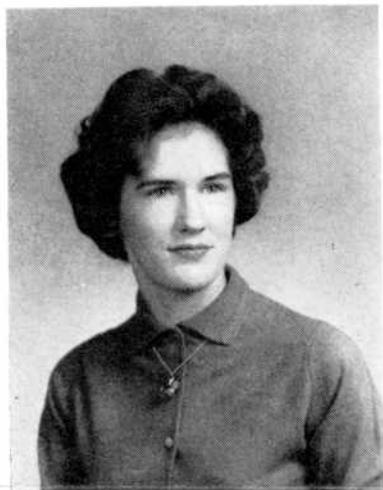
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Powell Chooses Elam Daughter For Honors

Is Representative
To Annual Girls' State



Anne Elam

The eyes at the W. O. Elam home will all be focused on Annual Girls State June 2, 9, to be held at Middle Tennessee State College, Murfreesboro. Young Anne Elam, their youngest daughter, has been selected as representative from Powell High School.

A junior girl is selected on scholarship, leadership, participation in school activities, good character and cooperation in the school's physical fitness programs. And Anne qualifies in each realm. The active Powell junior is a member of the Beta Club, this country's high school's answer to college's Phi Beta Kappa; is an officer in the Science Club, plays in the school band, performs in the chorus; and still maintains above-the-average grades! As a sophomore, Anne was president of the Latin Club at Powell.

The representative to Girls State is sponsored by the American Legion Auxiliary.

Anne is primarily interested in music, playing both the piano and the drums in the high school band. Her interests are also in teaching currently . . . and it's probable she will combine both interests in her career . . . that is, teaching music.

The Elams, who live at Route 1, Heiskel, have two other children . . . Mary, a sophomore at Judson College, Marion, Alabama; and David, a freshman at Powell. Like his papa, David is "way up there," already six, four. It's highly possible PHS may have an outstanding basketball player there in a couple of years.

Chief Elam, the father of the fine clan, is over the plant's Fire and Guard Departments.

Wonders Of Nature . . .

Researchers have come up with something we suspected was true all the while . . . the male deer can outrun the female. The male deer has been clocked running at 49 miles an hour. The female deer gains only 48 miles an hour.



We know a couple that goes together just like beer and pretzels. She's shaped just like a pretzel . . . he looks like a beer barrel!
Shaped up in Y-12, things look thusly, beginning in

TECHNICAL

The carpet was rolled out recently for Jackie Moran who joined Dimensional Inspection's office group.

It appears that these left-handed, swinging golfers are becoming commonplace in the department. At last count there were four.

"Catfish" Rolston went fishing this past week-end, but he isn't talking about his catch. Wonder why?

In the Oak Ridge Hospital for surgery is C. E. Davis . . . and best wishes for him, and the surgery, too!

Rumor has it that C. A. Sparks bought a full measure of strawberries (32 quarts to a crate, no less!)

Off on another trip is L. G. Whitten. Len is seriously considering getting a commuter ticket.

We know a man that walked a mile for a camel . . . then the beast wouldn't ride him back again!

INDUSTRIAL RELATIONS

The Fire and Guardsmen are sending get well wishes to L. H. Perry's brother, Homer, who is ill in Baptist Hospital . . . Also to J. D. Mathes, ill.

The department's deepest sympathy is extended to J. R. Barber . . . his sister passed away last week.

Captain Dabbs vacationed up in Pennsylvania last week, attending his granddaughter's ballet performance.

"Yes, the psychiatrist really helped me. A few years ago when the phone rang, I was afraid to answer it. Now I answer it whether it rings or not!"

SHIFT SUPERINTENDENTS AND UTILITIES

Off on a two-weeks vacation is K. H. "Pop-Up" Wright . . . first part, will be at St. Louis to watch you-know-who play ball to see if they can "pop-up" a few. On May 30, he will attend the graduation exercises of his son K. E. Wright at Carson Newman College.

D. E. Bell decided to vacation at home in Oak Ridge, making sure he did all the chores Evelyn laid out for him! . . . F. B. Clowers vacationed to take his wife to Chattanooga Hospital. Best wishes go to her for a speedy recovery.

D Shift long week-end activities saw D. Stevens going fishing to try out his new motor . . . and P. L. Beeler and N. M. Standridge just going fishing, period.

The difference between us and our neighbor is that we don't tell half of what we know while he doesn't know half of what he tells.

MAINTENANCE

Process Maintenance maintains that G. R. Cox and wife will be traveling to Gladewater, Texas, to visit a married daughter, Mrs. Bart Pratt, and to attend commencement exercises for another daughter, Georgia Mae Cox, who is graduating from high school on May 30. Georgia Mae's twin brother, Harold, will be graduating from high school at Norris, Tennessee, on June 3. Good luck, Mr. Cox, in arranging your traveling time to attend both graduations.

A. H. Hunter just returned from a two-weeks tour of Florida with his wife and two daughters . . . C. Jenkins is back after justifiable pride in the construction of a new carport onto his home . . . H. M. Julian looks refreshed after

spending last week resting at home in Harriman.

C. H. Noe just relaxed around his Karn's home last week . . . Harry and Mrs. Pruden were honored last Sunday by a visit from their first grand-baby, Kimberlen Kay.

Charlie Williams and family are vacationing this week just fishing and enjoying the fine weather in their boat . . . Why does Hal Simerly now sit at his desk with a hard hat on?

MECHANICAL OPERATIONS



Leanne Rose

What a fine baby! She's little Leanne Rose, daughter of Don and Betty Rose. Don is a process engineer now in the A-2 Shop. Little Leanne has a sister, Donna, age 10, and a brother, Herbie, age eight. According to Don, Leanne is a very good baby . . . she has four people to wait on her!

The young smart aleck, after placing some flowers on a cemetery lot, noticed an old Chinese gentleman placing a bowl of rice on a nearby grave and asked . . . "When do you expect your friend to come up and eat the rice?"

The man replied with a smile . . . "Same time your friend comes up to smell flowers."

ENGINEERING

Tool Engineering (Tape Control section) welcomes in W. H. Covington, J. D. Aullstun, and J. H. Fox . . . also M. B. Biddex, R. L. Hale, B. G. Myers, and H. W. Schrader, up from Beta Four.

Dick Spears took a recent tour of the Sunshine State of Florida . . . reports it is still there.

SPECIAL PROJECTS

Proudly passing out cigars and showing pictures of the new arrival is Jim Tillman, only this time it's a little different. Jim and Doris recently announced the adoption of a five-year old daughter, Connie Lynn. Congratulations, Jim and Doris . . . and to Connie, also, for adopting such nice parents!

Many girls have found out . . . no matter how old a man may be, he's still in there pinching. Let's go to Knox!

Holiday Moves Paper Deadline Up One Day

Next week's deadline for the Bulletin will be moved up one day, to Wednesday, May 29. Thursday, May 30, is a Holiday for Y-12ers as the nation observes Memorial Day.

All copy for the issue of June 5 should be in the Bulletin Office by Wednesday, May 29, at 4:30 p.m.

Paul Snodgrass Is Added To 20-Year Carbide Vets

"Never rely on computing machine lists entirely," is the new motto around the Bulletin office. In ascribing James C. Little and Maola Conner as the second and third Y-12ers to celebrate their 20th anniversary with Carbide, one man was completely ignored by the latest in machine listings . . . John P. Snodgrass, receiving and shipping foreman in the Receiving Department.

Snodgrass came to Y-12 May 10, 1943. Born in Watauga, Tennessee, Paul worked in King's Department Store, Johnson City, from 1931 until 1943 . . . when he came here. Married to the former Pearl Loveless, he has two children: Joyce Snodgrass with the Internal Revenue Service, Atlanta, Georgia; and Wayne Snodgrass with Raytheon, Bristol, Tennessee.

With apologies to Snodgrass, and a pox on computers, congratulations are offered to the following other Y-12ers who will celebrate anniversaries with Carbide within the next few days.

15 YEARS

Gordon E. Fielden, Building, Grounds and Maintenance Shops, May 24.

Oscar W. Patrick Sr., Project Engineering, May 24.

Ralph A. Wilson Jr., Production Machining, May 24.

Edward F. Sise, Production Machining, May 24.

James T. Reel, Assembly Operations, May 25.

Cleveland O. Mathena, General Metal Fabricating Shop, May 28.

10 YEARS

Thurston L. Boshears, Dispatching, May 25.

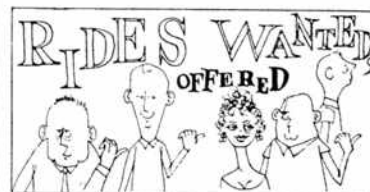
Austin A. Crabtree, Area Five Maintenance, May 25.

Emory E. Denham, Process Maintenance, May 25.

Clarence C. Crisp, Electrical Department, May 25.

Barbara F. Guettner, Beta Two, May 27.

Wallace W. Ring, Process Maintenance, May 27.



Ride wanted from South Clinton to Central or West Portal, J Shift. B. K. Bristow, plant phone 7-8814, home phone Clinton 457-2338.

Ride wanted from Oklahoma Avenue section, Oak Ridge, to Bear Creek Portal, straight day. G. R. Boulden, plant phone 7-8081, home phone Oak Ridge 483-6730.

Car pool member wanted from Elm Grove section, Oak Ridge, to Central Portal, straight day. J. A. Stanton, plant phone 7-8376, home phone Oak Ridge 483-3181.

Four riders wanted from South Harriman to West or Bear Creek Portals, via Interstate, straight day. R. W. Curtis, plant phone 7-8465, home phone Harriman 882-9291.

Riders wanted from West Vanderbilt Drive, Oak Ridge, to Central Portal, straight day. Lamar Royer, plant phone 7602, home phone Oak Ridge 482-2556.



"It's taken a sudden turn for the worse. Mom says I go back to school tomorrow."



John P. Snodgrass

Ridge Future

Continued from Page 1
fulfill requirements for electric energy."

"Oak Ridge National Laboratory, with its expanding nuclear and non-nuclear research and development work, has a bright future."

"The Agricultural Research Laboratory and Oak Ridge Institute of Nuclear Studies should continue to have growing programs."

Non-AEC Activities

"Any projection of the future of Oak Ridge should also recognize the progress being made in non-AEC activities," he continued. "It is reassuring to see industry sprout roots in Oak Ridge, and I would expect this type of activity to expand as the many advantages of this area become more apparent to outside industry and the AEC position less dominant."

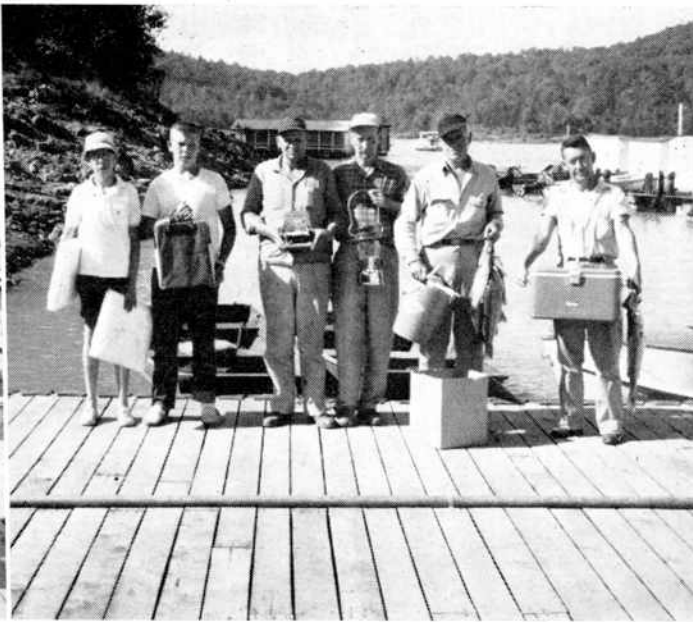
He said the progress being made by the incorporated City of Oak Ridge also should be recognized.

"We are proud of the fine job being done by the City Council, the School Board, and their respective organizations," Sapirie commented. "One of the unfortunate aspects of the annual financial assistance meetings between the city and the AEC is the wrong impression it conveys that the AEC is critical of city operations."

"Nothing could be further from the truth. We would like to see the financial agreement changed so as to give the city more complete control over its fiscal program and have suggested a specific arrangement under which this can be done," Sapirie continued. "As the advantages of the proposed change come apparent, I'm sure that we will be able to agree on even less AEC participation than the present arrangement requires, so that we can stop being placed in the role of the devil's advocate."

Worthwhile Advice

In connection with preparing for future leadership in Oak Ridge, Sapirie advised the Jaycee members to expand their membership so that this valuable program can reach a larger percentage of the young men of Oak Ridge, to broaden the awards program to provide increased recognition and resulting incentive, to support the educational system of Oak Ridge and encourage sound basic education with proper grounding in math and science, and to publicize the advantages of Oak Ridge and encourage industry to settle in the city to provide the "broader industrial base that can and should be established here."



THE FISH TALES GROW longer and longer this Spring as Y-12ers spin the magic yarns about the "big ones that didn't get away!" The shift combination of E, F, G, H and J added to the excitement Saturday, May 11, by staging a big Rodeo at the Anderson County

Boat Dock. Some prize catches are noted from left, as E. J. Vickery, both Sr. and Jr., and L. Haney show off a pretty string. Next, some of the winners line up at the dockside to take off their handsome prizes. Next, J. L. Hill, uses two hands to hold his catches with . . .

and last, J. W. Gossage displays a prize-winning wall-eyed pike that captured him an ice chest. A total of more than 120 registered for the big rodeo . . . more were there that did not pencil in. In all shift rodeos, you have to register to win!

Heart-To-Heart Diplomacy

Continued from Page 1
the hillsides of the cities. In 'houses' constructed of anything which would put a roof over their heads. There he seeks work. With luck he will find something . . . maybe he will receive two mil, or four dollars a month. He must feed his family on this. He cannot. He must give them medical care. He cannot. Children die from illness . . . from lack of medical care . . . from starvation. Why? Because there is no rain, and there is no room for them in the city.

"People in town think you are crazy for going into the northeast. There is nothing there, they will tell you. Why go into a dead country?"

Always A Smile

"But you should go back into the country. Here are the ones who are the backbone of the country. Those people always have a smile on their face. They make the best of what they have and they see a future in their land. Each year they try again, and again without giving up hope. This year, perhaps the rains will come, and the lands will be green and fruitful again."

"In a short time the Sao Francisco River Project will be supplying all the northeast with power. Its chain of dams will be controlling water and making it available for irrigation, and bringing the needed moisture to the land."

"At present there are 150 Peace Corpsmen working in a wide range of fields, to aid in the development of Brazil. We are working alongside an untold number of adults and kids who see a useful and productive land."

Many Miles To Go

"The people have opened their hearts to us. They listen with wonder and doubt to what we say. They follow directions which seem strange compared with their primitive methods which their parents and their parents before them used. With each new idea and each improvement made, there is another step taken toward progress. Yet after many steps are taken, there will be many miles to go . . . untouched in the next two years, and far into the future of Brazil."

Joyce's job as a Peace Corp Volunteer is to work with groups on rural youth programs. "My job is a wonderful one," she wrote recently. "My day begins at 8 a.m. each morning, six days a week. With my teammate Joe McDomick and the Brazilian Extension Agents, we spend our mornings greeting visitors who come to our office for assistance with farm and home problems, make various plans and reports, prepare talks and hold conferences with State Extension personnel who provide us with the

Putt-Putt League Begins Next Week

Play gets underway next Wednesday night in Y-12's summer Putt-Putt League as miniature golfers square off for their weekly battles. It's still not too late to get into the competition. The deadline for entering a twosome is Friday, 4:30 p.m., May 24. Schedules will be made for Wednesdays, beginning May 29. It takes two to play the lively game . . . so get your partner and join the swing of things. Experience is not necessarily an attribute . . . even those that have been playing before aren't too good!

latest information on farm and homemaking activities.

"Our afternoons are spent attending club meetings, visiting homes of club members, or surveying new areas for possible club programs."

Evenings Not Free

"Our evenings are seldom free either. When we aren't developing an advanced clothing project or working out a new feed rationing program for swine, we are trying to develop a better method of supplying a village of 50 families with pure drinking water. When we do have a spare evening and on Sunday afternoons, we hold English classes for high school students. We have also been asked to teach the three R's to several uneducated adults in Maranguape."

The 4-S program in Brazil is almost identical to the 4-H program in the United States. "The girls have one project . . . 'Donna de Casa,' Joyce writes, "or the Lady of the House. These projects include cooking, sewing, home improvement and health. Each club member is required to keep a detailed record of his project, give a method demonstration and show the project at a Club Fair."

21 Months In Brazil

Joyce trained for the Corps last summer at the University of Oklahoma. She has 21 months of duty in Brazil (eight of which have already passed.) Is she complaining about her lot? Her father relates she has never gripped about her duties or long hours.

The heart-to-heart diplomacy of the Peace Corps seems to succeed in every country in which it appears. Not one nation has failed to ask for more volunteers that have already received these dedicated Americans into their hearts and homes.

The Colings live at Route 20, Knoxville. Joyce is a 1962 graduate from Karns High School.

Appealing Spectacle

"There is no spectacle on earth more appealing than that of a beautiful woman in the act of cooking dinner for someone she loves." —Thomas Wolfe.

E Wingers Win Two Games To Open '63 Slo Pitch League

The big Slo Pitch League got underway last Tuesday, May 14, as three big games fired off the opening night.

The Big Shop boys plastered the Slip Sticks in the first game, 14 to 11. The Big Shoppers saw Brendle and Wright homer, with Teno getting a triple and a double . . . Law also doubled. Big bats for the Sticks were Delcour with an HR, Rose, Hafey, and Allstun with two-baggers.

The E Wingers trimmed the Data Processing boys, from ORGDP, neatly in the second game, winning 9 to 3. Cavosie homered for the E Wingers . . . Overton tripled. West doubled. Linger had a three-bagger, Lane a two for the losing computer crowd.

Y-12's Rebs tromped the ORGDP Mets properly in the final game Tuesday to the tune of 18 to 6. Big sticks were wielded by Greaser, Peters and Parrott . . . all with four-basers. Keith had a triple for the losing Mets. Errors were divided evenly, as each team made six miscues. Tsk! Tsk!

Wednesday saw Monday's games rained out. Monday's games were rained out, too. But then everybody needed the rain . . . so only minor complaints were heard.

Thursday's games started off with the Tabs downing the Cherokees, taking their scalps to the score of 14 to 11. Belvin homered for the winning Tabs. Culton took two triples. For the losers it was J. Blanton and Jenkins, each with a homer apiece.

The really close game came second Thursday as the Peons edged by the Eagles 6 to 5, in a real cliff-hanger. John Pridgeon had a triple for the winners, Glen Bates had one for the losers. The pitching duels saw the losing Peons play 16 men on the field at various stages of the game.

The E Wingers played their second game of the new season Thursday, taking the Slip Sticks

to the cleaners 34 to 5. Home-runs were earned by Hyatt, West, Pugh and Cavosie for the winning combo . . . Rose for the losing one. The hapless Sticks registered 15 errors, to compound their felony.

League standings follow:

Team	W	L
E Wingers	2	0
Eagles	1	0
Tabbs	1	0
Rebs	1	0
Big Shop	1	0
Peons	0	1
Cherokees	0	1
Data Processing	0	1
Mets	0	1
Slip Sticks	0	2
B Shifters	0	0
Bunt Boys	0	0

ORCMA's Final Coffee Concert Set Sunday

The final coffee concert of the season will take place Sunday, May 26 at 8:15 p.m. at the United Presbyterian Church. The Oak Ridge Civic Music Association concert will feature the church pipe organ . . . with the Grace Lutheran Church choir. Sopranos Kay Hamrick and Frances Parker, accompanied by Faye Griggs will also sing. The University of Tennessee Brass Quartet will play music by Bach, Couperin, Haines and Trachenpohl. Organist Jack Edwin Rogers will highlight the concert with secular music by Bach and Montaine.

Golfers Off Again To Wallace Hills

Y-12 golfmen return to the Wallace Hills Golf Course, Maryville, Saturday, for their second tournament of the year. Tee-off times were assigned in the Recreation Office, last Tuesday.

Foursomes should show some 20 to 30 minutes before their scheduled times. Off-times the schedule moves swiftly, and it is possible to get away before the pre-arranged appointment.

Comments from the Wallace Hills greens for April's tournament were all good, and Y-12ers are expected to show their usual care and concern for some one else's fairways and greens.

B Shift Rodeo Today Not Tuesday On Norris

It is sincerely hoped that nobody goes up to Anderson County Park Monday, May 27 for the B Shift fishing rodeo announced in last week's Bulletin. The rodeo's actual date was today, Wednesday, May 22.

Due to a mix-up in signals, the dates were incorrectly listed. That's B Shift's fishing rodeo today, May 22. There is no rodeo set for Monday.

What About Lunch?

Recent balloon tests have revealed that a family of bacteria already well-known on the ground also lives 10 miles up in the air, a United States scientist has reported. Now the question is: "Where does he go for lunch?"



HERE IS THE PROOF to back up those "fishy stories" T. S. Arnold has been spreading around 9206. (That's Arnold, first row, first on right) with his son-in-law, James L. Rule, second on right. They caught a total of about 70 pounds of red snapper and black bass on a recent fishing expedition at Daytona Inlet. Many of the specimens are seen hanging in the background.

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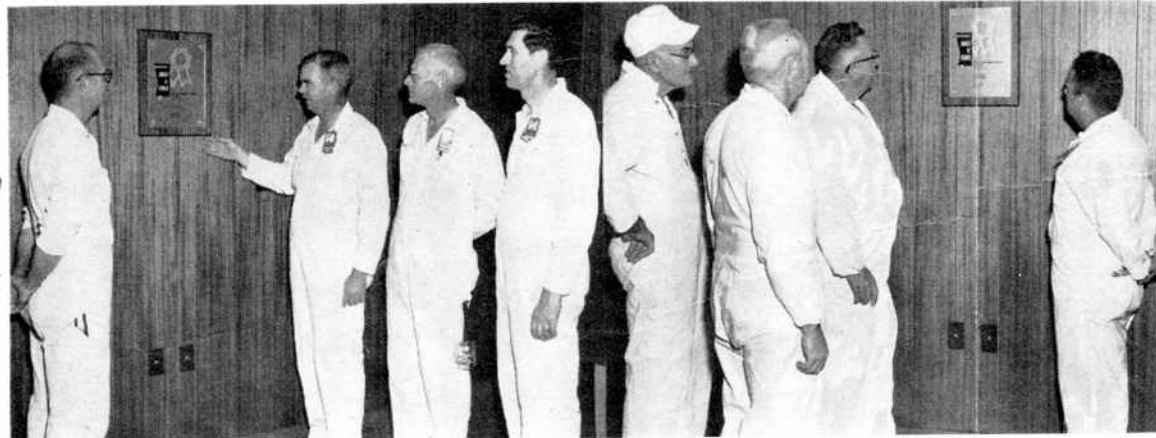
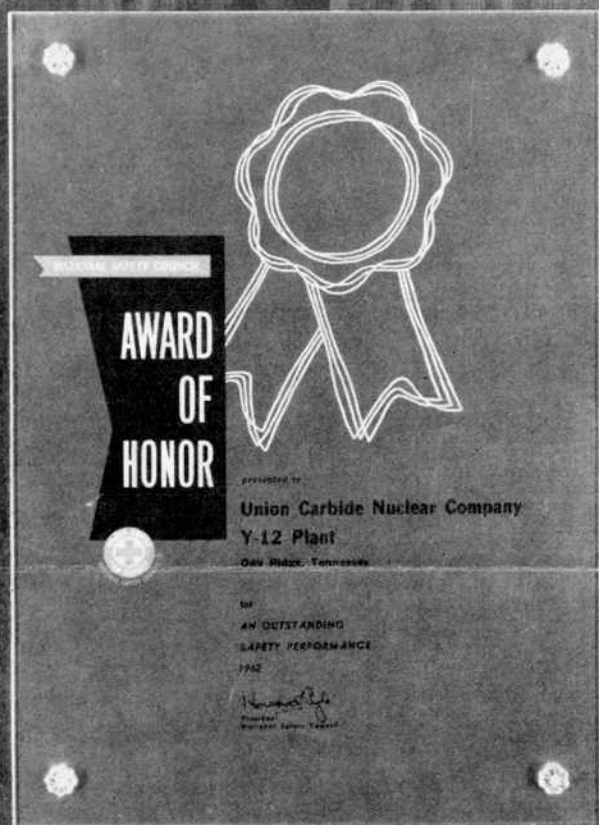
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Safety Council's Award Is Seen In Mechanical Operations

6-11521



MECHANICAL OPERATIONS DIVISION MEN admire the newest plaque received from the National Safety Council for an outstanding safety performance during 1962. The plaque was earned for the reduction in frequency rates of accidents over the three previous years (1959-61), compared to rates in the entire chemical industry as a whole. Directly under the photo of the plaque are from left, S. M. Hastings, Tommy Cogdill, and H. G. McCowan. The lower photographs show other Mechanical Operations men admiring the plaque, from left Jim Winfree, M. C. Asbury, H. L. Horton and G. E. McNabb. Also looking on are J. A. Davis, D. H. Tunnell, W. H. Younger, and G. N. Dahl.

Linde Breaks Ground For Hydrogen Plant

USA's Largest Set
For '64 Competition

Linde Company, a division of Union Carbide Corporation, broke ground recently for the nation's largest liquid hydrogen plant on a 56-acre site south of Sacramento, California.

Scheduled for completion in January 1964, the \$20 million plant will produce 60 tons of liquid hydrogen per day to meet the fast-growing requirements of West Coast aerospace programs. It is being built under a seven-year, \$85 million liquid hydrogen supply contract awarded to Linde by the National Aeronautics and Space Administration last year.

In a telegram to Robert F. Flood, Linde's president in New York, Governor Edmund G. Brown said the huge plant marks another first for California and western industry.

"In less than three years, a new industry of vital importance to the country's defense and space programs has been firmly established in California," Brown said. "In 1960, the nation's total liquid hydrogen production was about 40 tons per day. With completion of the Sacramento facility early next year, liquid hydrogen plants located in California will have tripled this figure. We are proud to have this major industry participate in California's industrial growth."

The bulk of Linde's Sacramento plant output will go to nearby NASA rocket development projects being conducted by Aerojet-General Corporation and Douglas Aircraft Company.

Natural gas supplied by Pacific Gas and Electric Company will be used as raw material for the plant. Kaiser is the general contractor.

AICHe Holds Ladies Night Friday In Ridge

The Oak Ridge-Knoxville Section of the American Institute of Chemical Engineers will hold Ladies' Night this week at the Alexander Hotel. The dinner meeting gets underway at 6:30 p.m., Friday, May 24.

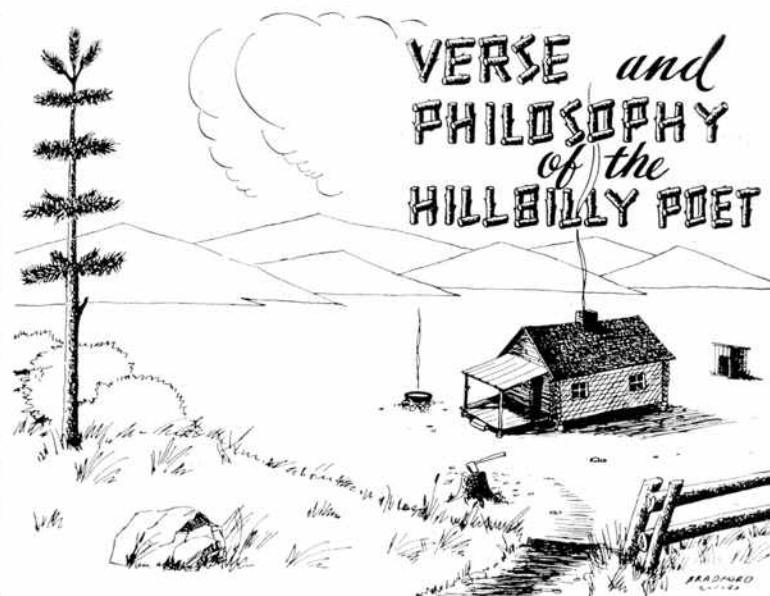
Dr. Michael A. Bender, Oak Ridge National Laboratory's Biology Division, will speak on "Space Biology," a subject much in the news of late.

Guests and members are cordially invited to the AICHe Ladies' Night meeting. More information may be obtained by telephoning Lou Kovach, extension 7705.

FILTERED AUTOMATION

Cigarettes were all rolled by hand in 1880 and a skilled worker could turn out 18,000 a week. Today's modern machines can produce 2,000 cigarettes a minute."

6-11511



Cal Lunsford Readies Homey Philosophy For Publication



Cal Lunsford

The Bulletin got a peek behind the presses last week of a new book now on the presses... as Cal Lunsford, Research Services, readies his "Verse and Philosophy of the Hillbilly Poet" for publication.

Divided into halves, the first half of the book is reflections through poetry of the mountaineer, and the last half is devoted to the philosophy of the hill country.

"I am not owned by anyone—all own me,

"I am not plagued by charge, my gift is free;

"The moccasin and Indian pony still abound,

"War drums exist, but with a peaceful sound."

This bit of verse comes from Lunsford's Smoky Mountain poem which opens the volume. He explains that the book will probably be sold in gift and novelty shops specializing in mountain craft and arts. Lunsford was born in Loudon, Tennessee, the child of native Scotch-Irish Tennesseans. He still lives in the lakeside city at 917 Valley Vista Drive.

Book Long A-Borning

He is married to the former Ernie Watts... and they have a daughter Theresa. Lunsford, who made a guest appearance on WBIR-TV's "Area-Scope" this past Sunday to talk about his book, explains that the book was long a-borning. "I have been thinking about it for years, actually working on the material about two."

A veteran of the United States Army, he served during World War II from 1942 through 1944. He came to Y-12 May 3, 1949.

Homey Scenes Caught

Many scenes are caught in the little volume, as "The Country Store," "The Days With Granma," "Trip To the Mill," and others reflect the memory of a native son. Typical of the verse are these lines from "The Country Store":

"I remember the days of the country store,

"Where men told stories by which they swore;

"Of events of the world and all its strife,

"Or the wonderful things of city life."

Best wishes to Y-12's budding young author. Pieces and bits of a rich heritage are needed before they are swept away by time and time's eroding qualities. The book is colorfully illustrated at the end, as a mountain family moves away in a wagon.

(Lines used from "Verse and Philosophy of the Hillbilly Poet" were inserted with the kind permission of the author, Calvin W. Lunsford, copyright 1963.)

Spot Bid Sale Is Set On Equipment

Another "Spot Bid Sale" is announced featuring government surplus equipment, which includes carry-alls, pick-ups, IBM and Royal Typewriters, adding machines, varitypers, dictating machines, and one lot of wooden boxes and one lot of windows and doors.

Inspection of the equipment may be made from 8 a.m. until 4 p.m. through May 31 and on June 3 through June 6 up to the time the bids are closed for each lot.

Inspection and sales are to be at Warehouse 9929-1, off Bear Creek Road, west of Y-12.

The sale will start at 10 a.m., Thursday, June 6, and it is anticipated that successful bidders may pay for and remove their purchases after 2 p.m. of that day.

More information may be obtained by writing Union Carbide Nuclear Company, Sales Office-Government Property, P. O. Box M, Oak Ridge, or by calling extension 4601.

LVW Will Hold Candidates' Fair

The League of Women Voters are holding a "Candidate's Fair" at the Oak Ridge High School Cafeteria next Tuesday, May 28. The doors open at 7:30 p.m., and the formal fair gets underway at 8:15 p.m.

Each precinct in Oak Ridge will be represented by a booth where candidates for the City Council will be available to answer questions from various constituents.

Short, formal talks will be made by candidates for the School Board, and for candidates for the Charter Commission.

Y-12 is well represented on the City Council... and several plant men are running for office on

the charter commission issue. The June 5th election will decide whether a study should be made of the city charter or not.